

# ABSTRACT

A seat belt retractor [(1)] includes a take-up drum [(2)] with webbing [(6)] wound therearound, a torsion bar [(4)] coupled to a first end of the take-up drum [(2)] non-rotatably relative thereto, and a ratchet wheel [(5)] coupled to a second end of the torsion bar [(4)] non-rotatably relative thereto. The seat belt retractor [(1)] further includes a deformable member [(7)] provided on a second end of the take-up drum [(2)] for rotating integrally therewith, an internal tooth element (8) provided non-rotatably relative to the torsion bar [(4)], and planet gears [(13)] in mesh with a gear surface of the internal tooth element [(8)] and in engagement with the deformable member [(7)], the planet gears [(13)] being assembled non-rotatably relative to the torsion bar [(4)]. The planet gears [(13)] revolve around the deformable member [(7)] while biting into the surface of the deformable member [(7)] to plastically deform the deformable member [(7)] when the webbing [(6)] is paid out to cause the sun element and the internal tooth element [(8)] to rotate relative to each other after an emergency locking member [(19)] is locked.